

ABSTRACT

An apparatus and method for supporting a load-bearing platform (e.g., a seat) and measuring the weight of a load (e.g., an occupant) on the platform. The apparatus can include a base or support, a lever coupled to the support, and a sensor. The lever can be
5 pivotally coupled to the support to allow pivotal movement of the lever with respect to the support in response to weight applied to the platform. The sensor can detect the force transmitted by the lever to determine the weight of the load on the platform. Furthermore, the lever can isolate the vertical load on the platform due to the weight of the load from other extraneous, non-vertical forces on the platform.

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